



PATENT
Atty. Dkt. No. SALK1740-10
(088802-3218)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Perrin et al.
Title: CLONING AND RECOMBINANT
PRODUCTION OF CRF
RECEPTOR(S)
Appl. No.: 10/649,193
Filing Date: 08/26/2003
Examiner: Unknown
Art Unit: Unknown

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COMMISSIONER FOR PATENTS
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IDS TRANSMITTAL

Sir:

Transmitted herewith for the above-identified application please find:

- (1) Information Disclosure Statement.
- (2) Completed Form PTO-1449.
- (3) Copies of the cited references. (previously submitted)
- (4) Return Postcard.

In re Application of:
Perrin et al.
Application No.: 10/649,193
Page 2

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The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date 11/10/03

FOLEY & LARDNER
Customer Number: 30542



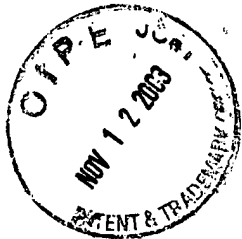
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PATENT TRADEMARK OFFICE

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By Stephen E. Reiter

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INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Applicants submit herewith a listing of the documents cited by or submitted to the U.S. PTO in related application Serial Nos. 09/191,724 filed 11/12/1998 and 08/353,537 filed 12/09/94. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of all forms be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

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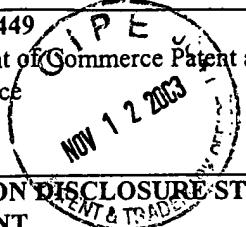
FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. SALK 1740-8	Serial No.: 09/191,724
	Applicant(s): Perrin et al	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: 11/12/98	Group Art Unit: 1643

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	3,654,090	04/04/72	Wilhelmus et al.	195	103.5	09/24/68
	AB	3,773,919	11/20/73	Boswell and Scribner	424	19	10/08/70
	AC	3,850,752	11/26/74	Schuurs et al.	195	103.5 R	10/29/71
	AD	4,016,043	05/05/77	Schuurs et al.	195	103.5 R	09/04/75
	AE	4,415,558	11/15/83	Vale, Jr. et al.	424	177	05/17/82
	AF	4,489,163	12/18/84	Rivier et al.	436	86	05/14/83
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	AH	4,525,189	06/25/85	Ohmi et al.	65	3.15	04/26/83
	AI	4,533,654	08/06/85	Lederis et al.	514	12	09/29/82
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	AK	4,605,642	08/12/86	Rivier et al.	514	12	02/23/84
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	AN	4,882,279	11/21/89	Cregg, J. M.	435	172.3	10/25/85
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	AS	5,109,111	04/28/92	Rivier et al.	530	306	03/23/90

EXAMINER	DATE CONSIDERED
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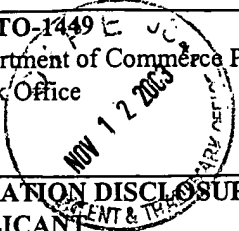
EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
	NONE					

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	AT	Berridge and Dunn, "CRF and Restraint-Stress Decrease Exploratory Behavior in Hypophysectomized Mice," <i>Pharmacology Biochemistry & Behavior</i> , 34:517-519 (1989)
	AU	Britton et al., "ACTIVATING AND 'ANXIOGENIC' EFFECTS OF CORTICOTROPIN RELEASING FACTOR ARE NOT INHIBITED BY BLOCKADE OF THE PITUITARY-ADRENAL SYSTEM WITH DEXAMETHASONE," <i>Life Sciences</i> , 39:1281-1286 (1986)
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	AY	Duffaud et al., "Expression and Secretion of Foreign Proteins in <i>Escherichia coli</i> ," <i>Methods in Enzymology</i> , 153:492-507 (1987)
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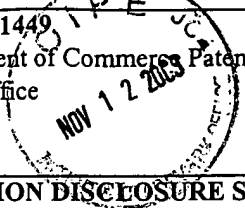
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BA	Galfre and Milstein, "Preparation of Monoclonal Antibodies Strategies and Procedures," <i>Methods in Enzymology</i> , 73:3-46 (1981)
BB	Gearing et al., "Expression cloning of a receptor for human granulocyte-macrophage colony-stimulating factor," <i>The EMBO Journal</i> , 8(12):3667-3676 (1989)
BC	Grunt et al., "Dilatory and Inotropic Effects of Corticotropin-Releasing Factor (CRF) on the Isolated Heart," <i>Horm. Metab. Res.</i> , 24:56-59 (1990)
BD	Hanani and Wood, "Corticotropin-releasing hormone excites myenteric neurons in the guinea-pig small intestine," <i>European Journal of Pharmacology</i> , 211:23-27 (1992)
BE	Imaki et al., "Widespread expression of corticotropin-releasing factor messenger RNA and immunoreactivity in the rat olfactory bulb," <i>Brain Research</i> , 496:35-44 (1989)
BF	Kawahito et al., "Local Secretion of Corticotropin-Releasing Hormone by Enterochromaffin Cells in Human Colon," <i>Gastroenterology</i> , 106:859-865 (1994)
BG	Kozak, M., "Structural Features in Eukaryotic mRNAs That Modulate the Initiation of Translation," <i>The Journal of Biological Chemistry</i> , 266(30):19867-19870 (1991)
BH	Linder and Gilman, " G Proteins , Tucked into the internal surface of the cell's outer membrane, these versatile molecules coordinate cellular responses to a multitude of signals that impinge from without," <i>Scientific American</i> , 56-65 (1992)
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BJ	Munson and Rodbard, "LIGAND: A Versatile Computerized Approach for Characterization of Ligand-Binding Systems," <i>Analytical Biochemistry</i> , 107:220-239 (1980)
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BL	Pearson and Lipman, "Improved tools for biological sequence comparison," <i>Proc. Nat. Acad. Sci.</i> , 85:2444-2448 (1988)

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	BM	Perrin et al., "Corticotropin-Releasing Factor Binding to the Anterior Pituitary Receptor Is Modulated by Divalent Cations and Guanyl Nucleotides," <i>Endocrinology</i> , 118(3) :1171-1179 (1986)
	BN	Petrusz et al., "Central and peripheral distribution of corticotropin-releasing factor," <i>Federation Proc.</i> , 44 :229-235 (1985)
	BO	Potter et al., "The central distribution of a corticotropin-releasing factor (CRF)-binding protein predicts multiple sites and modes of interaction with CRF," <i>Proc. Natl. Acad. Sci. USA</i> , 89 :4192-4196 (1992)
	BP	Rodwell and McKearn, " LINKER TECHNOLOGY: ANTIBODY-MEDIATED DELIVERY SYSTEMS ," <i>BIO/TECHNOLOGY</i> , 3 :889-894 (1985)
	BQ	Saitoh et al., "EFFECT OF CORTICOTROPIN-RELEASING FACTOR ON THE ELECTRICAL AND MECHANICAL ACTIVITIES OF THE GUINEA-PIG VENTRICULAR MYOCARDIUM," <i>Gen. Pharmac.</i> , 21(3) :337-342 (1990)
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	BS	Simon et al., "Diversity of G Proteins in Signal Transduction," <i>Science</i> , 252 :802-808
	BT	Stephens et al., "Intracisternal Injection of CRF Antagonist Blocks Surgical Stress-Induced Inhibition of Gastric Secretion in the Rat,"
	BU	Suda et al., "Immunoreactive Corticotropin and Corticotropin-Releasing Factor in Human Hypothalamus, Adrenal, Lung Cancer, and Pheochromocytoma," <i>Journal of Clinical Endocrinology and Metabolism</i> , 58(5) :919-924 (1984)
	BV	Sutton et al., "Corticotropin releasing factor produces behavioural activation in rats," <i>Nature</i> , 297 :331-333 (1982)
	BW	Swanson et al., "Organization of Ovine Corticotropin-Releasing Factor Immunoreactive Cells and Fibers in the Rat Brain: An Immunohistochemical Study," <i>Neuroendocrinology</i> , 36 :165-186 (1983)
	BX	Vale et al., "Characterization of a 41-Residue Ovine Hypothalamic Peptide That Stimulates Secretion of Corticotropin and β -Endorphin," <i>Science</i> , 213 :1394-1397 (1981)

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BY	Vaughn et al., "Detection and Purification of Inhibin Using Antisera Generated against Synthetic Peptide Fragments," <i>Methods in Enzymology</i> , 168:588-617 (1989)
BZ	Williams et al., "Corticotropin-releasing factor directly mediates colonic responses to stress," <i>Am. J. Physiol.</i> , 253:G582-G586 (1987)
CA	Yoon et al., "PRESENCE OF IMMUNOREACTIVE CORTICOTROPIN-RELEASING FACTOR IN RAT TESTIS," <i>Endocrinology</i> , 122(3):759-761 (1988)

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TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

FORM PTO-892 (REV. 2-92)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. 09/191,724	GROUP ART UNIT 1646	ATTACHMENT TO PAPER NUMBER 8			
NOTICE OF REFERENCES CITED				APPLICANT(S) Lermin et al.					
U.S. PATENT DOCUMENTS									
		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE		
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FOREIGN PATENT DOCUMENTS									
		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG.	PP. SPEC.
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)									
R		Bujoriadis et al., <u>Endocrinology</u> , Vol. 125, pages 1877-1888, 1989.							
S		Kanger et al., <u>Endocrinology</u> , Vol. 123, pages 396-405, 1988.							
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EXAMINER Stephen Jude				DATE 4/24/00					
* A copy of this reference is not being furnished with this office action. (See Manual of Patent Examining Procedure, section 707.05 (a).)									

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TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

FORM PTO-892 (REV. 2-92)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. 08/353,537	GROUP/ART UNIT 1812	ATTACHMENT TO PAPER NUMBER 9		
NOTICE OF REFERENCES CITED				APPLICANT(S) Perrin et al.				
U.S. PATENT DOCUMENTS								
*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE	
	A	5071773	12/10/91	Evans et al.	436	501		
	B	5262300	11/16/93	Evans et al.	435	6	11/25/91	
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)								
	R	Affolter et al., JBC, Vol. 260, pages 15477-15481, 1985.						
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EXAMINER Stephen Bucken				DATE 6/10/96				
* A copy of this reference is not being furnished with this office action. (See Manual of Patent Examining Procedure, section 707.05 (a).)								



FORM PTO-1449 US Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO. P41 9868	SERIAL NO. 08/353,537
	APPLICANT Perrin et al.	
	FILING DATE 12/09/94	GROUP 1812

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

		Chen et al., "Expression cloning of human corticotropin-releasing-factor receptor" <i>Proc. Natl. Acad. Sci. USA</i> 90:8967-8971 (1993)
		Grigoriadis et al., "Characterization and regulation of corticotropin-releasing factor receptors in the central nervous, endocrine and immune systems" <i>Corticotropin-releasing factor. Wiley, Chichester (Ciba Foundation Symposium 172) p 85-107 (1993)</i>
		Grigoriadis et al., "Solubilization of High Affinity Corticotropin-Release Factor Receptors from Rat Brain: Characterization of an Active Digitonin-Solubilized REceptor Complex" <i>Endocrinology</i> 125(6):3068-3077 (1989)
		Vita et al., "Primary structure and functional expression of mouse pituitary and human brain corticotrophin releasing factor receptors" <i>FEBS</i> 335(1):1-5 (1993)

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OTHER DOCUMENTS (Including Author, Title, Pertinent Pages, Date)

		Chang et al., "Identification of a Seven Transmembrane Helix Receptor for Corticotropin-Releasing Factor and Sauvagine in Mammalian Brain" <i>Neuron</i> 11:1187-1195 (1993)
		Hanani and Wood, "Corticotropin-releasing hormone excites myenteric neurons in the guinea-pig small intestine" <i>Eur. J. Pharmacol. (Netherlands)</i> 211:23-27 (1992)
		Kawahito et al., "Local Secretion of corticotropin-Releasing Hormone by Enterochromaffin Cells in Human Colon" <i>Gastroenterology</i> 106:859-865 (1994)
		Li and Duckles, "Effect of endothelium on the actions of sympathetic and sensory nerves in the perfused rat mesentery" <i>Eur. J. Pharmacol.</i> 210:23-30 (1992)
		Muglia et al., "Expression of the Mouse Corticotropin-releasing Hormone Gene in Vivo and Targeted Inactivation in Embryonic Stem Cells" <i>J. Clin Invest (US)</i> 93:2066-2072 (1994)
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